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Dual Credit = ** DC

MCIT's Mission
McKenzie serves as a foundation to improve student academic & career technical programs. We prepare graduates who can advance their education in a post-secondary setting & succeed in high-demand, high-skill, & high-wage careers.

SME-Prime Partner
Society of Manufacturing
Engineering

STEM Certified School

PLTW
Innovation Zone
Project Lead the Way

A.Y.E.S Certified
Automotive Youth
Educational Systems

Ed Martin Automotive
Careers Training Center

CompTIA Certified
Training Center
Computer Technology
Industry Association

Largest CTE High School
in Indiana



McKenzie Center for Innovation & Technology

Where Everything is Possible

Curriculum Guide 2020 - 2021

AUTO-SERVICE TECHNOLOGY

Introduction to Transportation (4798M)

1 Semester 1 Credits Grade 10
Offered Fall & Spring Semester

Automotive Service Technology I ** (5510M)

2 Semesters 4 Credits Grades 11, 12
Weighted Course 1.0 2 blocks each semester
Recommended Prerequisite: Intro. To Transportation

Automotive Service Technology II ** (5546M)

2 Semesters 6 Credits Grades 12
Weighted Course 1.0 3 blocks each semester
Required Prerequisites: Auto Service Technology I

AUTO-COLLISION REPAIR TECHNOLOGY

Introduction to Transportation (4798M)

1 Semester 1 Credits Grade 10
Offered Fall & Spring Semester

Automotive Collision Repair I ** (5514M)

2 Semesters 4 Credits Grades 11, 12
Weighted Course 1.0 2 Blocks each semester
Recommended Prerequisites: Introduction to Transportation

Automotive Collision Repair II ** (5544M)

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 3 Blocks each semester
Required Prerequisite: Automotive Collision Repair I

BUSINESS EDUCATION

Preparing for College & Careers (5394M)

1 Semester 1 Credit Grades 9-12
Offered Fall & Spring Semester

Introduction to Business (4518M)

1 Semester 1 Credit Grades 9, 10
Offered Fall & Spring Semester

Principles of Business Management** (4562M)

2 Semesters 2 Credit Grades 11, 12
Weighted Course 1.0 1 Block each semester
Recommended Prerequisite: Introduction to Business

Intro to Accounting ** (4524M)

2 Semesters 2 Credits Grades 10-11
1 Block each semester

Advanced Accounting (4522M)

2 Semesters 2 Credits Grades 11, 12
1 Block each semester
Required Prerequisite: Introduction to Accounting

Merchandising ** (5962M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course 1.0 1 Block each semester
Required Prerequisite: Principles of Marketing

Entrepreneurship and New Ventures ** (5966M)

2 Semesters 2 Credits Grade 12
Weighted Course 1.0 1 Block each semester
Required Prerequisite: Four credits from Business & Marketing Career Cluster

Administrative & Office Management (5268M)

2 Semesters 2 Credits Grade 12 1 block/sem.
Required Prerequisite: Principles of Business Management or Principles of Marketing

Banking & Investment Capstone (5258M)

2 Semesters 2 Credits Grade 12 1 block/sem.
Required Prerequisite: Introduction to Accounting & Advanced Accounting

Principles of Marketing ** (5914M)

2 Semesters 2 Credits Grades 10-12
Weighted Course 1.0 1 Block each semester

Sports & Entertainment Marketing (5984M)

2 Semesters 2 Credits Grades 11, 12 1 block/sem.
Required Prerequisite: Principles of Marketing

Marketing in Hospitality & Tourism (5982M)

2 Semesters 2 Credits Grades 11, 12 1 block/sem.
Required Prerequisite: Principles of Marketing

Strategic Marketing Related ** (5918M)

2 Semesters 2 Credits Grade 12
Weighted Course 1.0 1 Block each semester
Required: Must be paired with Work Base Learning

WBL - Work Based Learning (5974M)

2 Semesters 6 Credits Maximum Grade 12
Up to 3 blocks each Semester
5974MA (1 Block), 5974MB (2 Blocks) & 5974MC (3 blocks)
Required: Must be paired with Strategic Marketing

CONSTRUCTION TECHNOLOGY

Introduction to Construction I (4792M)

1 Semester 1 Credits Grade 10
Offered Fall & Spring Semester

Construction Trades I ** (5580M)

2 Semesters 4 Credits Grades 11, 12
Weighted Course 1.0 2 Blocks each semester
Recommended Prerequisite: Introduction to Construction

Construction Trades II ** (5578M)

2 Semesters 4 Credits Grade 12
Weighted Course 1.0 2 Blocks each semester
Required Prerequisites: Construction Trades I

COSMETOLOGY

Cosmetology I ** (5802M)

2 Semesters 8 Credits Grades 11
Weighted Course 1.0 4 Blocks each semester w/Capstone
Required Prerequisite: Commitment to the 2-year program
Cost for Materials: \$200 Non-Refundable

Cosmetology II ** (5806M)

2 Semesters 8 Credits Grade 12
Weighted Course 1.0 4 Blocks each semester w/Capstone
Required Prerequisites: Cosmetology I
Cost for Materials: \$265 Non-Refundable

Barbering I (5802MB)

2 Semesters 6 Credits Grades 11 3 blocks/sem.
Required Prerequisite: Commitment to the 2-year program
Cost for Materials: \$325 Non-Refundable

Barbering II (5806MB)

2 Semesters 8 Credits Grade 12 4 blocks/sem.
4 Blocks each semester w/Capstone
Required Prerequisite: Barbering I
Cost for Materials: \$70 Non-Refundable

EARLY CHILDHOOD

Early Childhood Education I (5412M)

2 Semesters 4 Credits Grades 11, 12 2 blocks/sem.
Recommended Prerequisite: Advanced Child Development

CULINARY ARTS & HOSPITALITY**Introduction to Culinary Arts (5438M)**

2 Semesters 2 Credits Grades 9, 10
1 Block each semester

Culinary Arts & Hospitality I (5440M)**

2 Semesters 4 Credits Grades 11, 12
Weighted Course 1.0 2 Blocks each semester
Recommended Prerequisite: Nutrition & Wellness or Introduction to Culinary Arts

Culinary Arts & Hospitality II (5346M)**

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 3 Blocks each semester
Required Prerequisites: Culinary Arts & Hospitality I

HEALTH SCIENCES**Medical Terminology (5274M)**

2 Semesters 2 Credits Grade 11-12
1 Block each semester

Introduction to Health Science Careers (5272M)

2 Semesters 2 Credits Grade 10
1 Block each semester

Health Sciences I ** (5282M)

2 Semesters 4 Credits Grade 11
Weighted Course 1.0 2 Blocks each semester
Recommended Prerequisite: Introduction to Health Science Careers

Health Sciences II – Nursing ** (5284M)

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 3 Blocks each semester
Recommended Prerequisites: Health Science Education I

PC NETWORKING & SUPPORT**Information Technology Support I ** (5230M)**

2 Semesters 4 Credits Grades 10, 11
9th Grade: Teacher recommendation
Weighted course (1.0) 2 Blocks each semester
Recommended Prerequisite: Digital Applications and Responsibility or Introduction to Computer Science

Networking I ** (5234M)

2 Semesters 4 Credits Grades 11, 12
Weighted (1.0) course 2 Blocks each semester
Recommended Prerequisites: Information Technology Support I

Networking II: Infrastructure Systems ** (4588M)

2 Semesters 2 Credits Grades 11, 12
Weighted course (1.0) 1 Block each semester
Required Prerequisites: Networking I

Networking II: Servers & Security ** (5257M)

2 Semesters 2 Credits Grade 12
Weighted course (1.0) 1 Block each semester
Required Prerequisites: Networking I

INTERACTIVE MEDIA**Graphic Design & Layout ** (5550M)**

2 Semesters 2 Credits Grades 11, 12
Weighted course (1.0) 1 Block each semester

Interactive Media ** (5232M)

2 Semesters 4 Credits Grades 11, 12
Weighted course (1.0) 2 Blocks each semester

COMPUTER SCIENCE**Digital Applications & Responsibility (4528M)**

1 Semester 1 Credits Grades 9-12
Offered Fall & Spring Semester

Introduction to Computer Science (4803M)

1 Semester 1 Credits Grades 9-10
Offered Fall & Spring Semester

Computer Science I ** (4801M)

2 Semesters 2 Credits Grades 10-12
1 Block each semester
Recommended Prerequisite: Introduction to Computer Science

Computer Science II: Programming ** (5236M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisites: Computer Science I

Computer Science III: Video Gaming Apps (5252M)

2 Semesters 4 Credits Grades 11, 12
Weighted Course (1.0) 2 Blocks each semester
Required Prerequisites: Computer Science I
Recommended Prerequisite: Computer Science II

Computer Science III: Cybersecurity (5253M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: Computer Science I
Recommended Prerequisite: Computer Science II

JAG-JOBS FOR AMERICA'S GRADUATES**JAG I – Career Information & Exploration (0522M)**

2 Semesters 2 Credits Grades 9, 10
1 Block each semester

JAG II – College Entrance Preparation (0532M)

2 Semesters 2 Credits Grade 11
1 Block each semester
Prerequisites: JAG I – Career Info. & Exploration

CRIMINAL JUSTICE**Criminal Justice I (5822M)**

2 Semesters 4 Credits Grades 11, 12
2 Blocks each semester

Criminal Justice II (5824M)

2 Semesters 4 Credits Grades 11, 12
2 Block each semester
Recommended Prerequisites: Criminal Justice I

BIOMEDICAL SCIENCES**PBS - Principles of Biomedical Sciences (5218M)**

2 Semesters 2 Credits Grades 9, 10
Weighted Course (.5) 1 Block each semester
Required Prerequisite: Biology I or concurrent enrollment of Biology I

HBS – Human Body Systems (5216M)

2 Semesters 2 Credits Grade 10
Weighted Course (.5) 1 Block each semester
Required Prerequisite: PBS

MI – Medical Interventions (5217M)

2 Semesters 2 Credits Grades 11
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: PBS; HBS or Anatomy & Physiology

BI – Biomedical Innovations ** (5219M)

2 Semesters 2 Credits Grade 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: PBS, HBS or Anatomy and Physiology, and MI

ENGINEERING**IED – Intro to Engineering Design ** (4802M)**

2 Semesters 2 Credits Grades 9
Weighted Course (1.0) 1 Block each semester

POE – Principles of Engineering ** (5644M)

2 Semesters 2 Credits Grades 10, 11
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: Intro. to Engineering Design

CIM – Computer Integrated Manufacturing ** (5534M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: IED & POE

CIM II – Advanced Manufacturing II (5606M)

2 Semesters 2 Credits Grades 12
1 Block each semester
Required Prerequisite: CIM I

DE – Digital Electronics ** (5538M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: IED and POE

AE – Aerospace Engineering (5518M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: IED and POE

CEA – Civil Engineering & Architecture ** (5650M)

2 Semesters 2 Credits Grades 11, 12
10th Grade with approval
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: IED and POE

ES – Environmental Sustainability (4818M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course 1.0 1 Block each semester
Required Prerequisite: IED & POE

EDD- Engineering Design & Development (5698M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: IED, POE and one pre-engineering specialty course

TECHNOLOGY**FOT - Foundations of Technology (5239M)**

2 Semesters 2 Credits Grades 9, 10
1 Block each semester

JUNIOR RESERVE OFFICER TRAINING CORPS (J-ROTC)**CAP - CIVIL AIR PATROL (0516M)**

2 Semesters 2 Credits Grades 10-12
1 Block each semester

CLUBS AND PROGRAMS

ROBOTICS — F.I.R.S.T Robotics and VEX Robotics

<https://www.firstinspires.org/robotics/frc>

CAP — Civil Air Patrol

<https://www.gocivilairpatrol.com/>

Aerospace Education, CADET programs, Emergency Services, Civilian Air Force Cadets

FBLA – Future Business Leaders of America

<https://www.fbla-pbl.org/>

Local and national competitions

HOSA - Future Health Professionals <http://www.hosa.org/>

Biomedical Sciences and Health Sciences students.

HOSA is a national student organization whose mission is to promote career opportunities in the health care industry.

DECA - Distributive Education Clubs of America (Marketing and Business) www.deca.org/

Provides members and advisors with development activities through local and national competitions

ACE MENTORING - Architecture, Construction and Engineering <https://acementor.org/>

Engage, excite and enlighten high school students to pursue careers in architecture, engineering and construction through mentoring.

NTHS - National Technical Honor Society

<https://nthhs.org/>

Encourages higher scholastic achievement, cultivates a desire for personal excellence, and helps top students find success in the workplace.

SKILLS USA - All Career and Technical students compete locally and nationally in skills and leadership.

<https://www.skillsusa.org/>